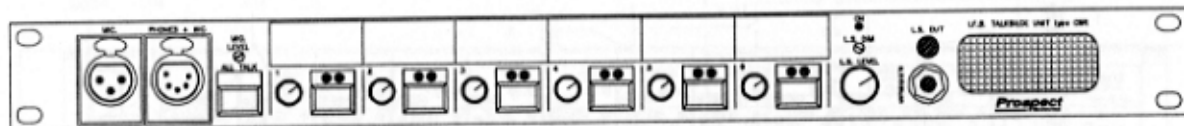


6-CHANNEL TALKBACK UNIT type C6R

The C6R is a 1U rack-mount talkback unit which provides the central communications facilities for a small studio or mobile installation where routing configurations may require to be easily changed.



FEATURES

- * The six channels may be individually switched to any of three modes:-
 - Normal 4-wire operation.
 - 4-wire operation with prog interrupt using the prog bus input.
 - Loop Interrupt, using channel input, allowing LS monitoring of interrupted signal.
- * Optional 2-wire conference mode on channel 6 for connection to multiple C1B belt-packs.
- * Line level open mic output.
- * 1U rack-mount case.

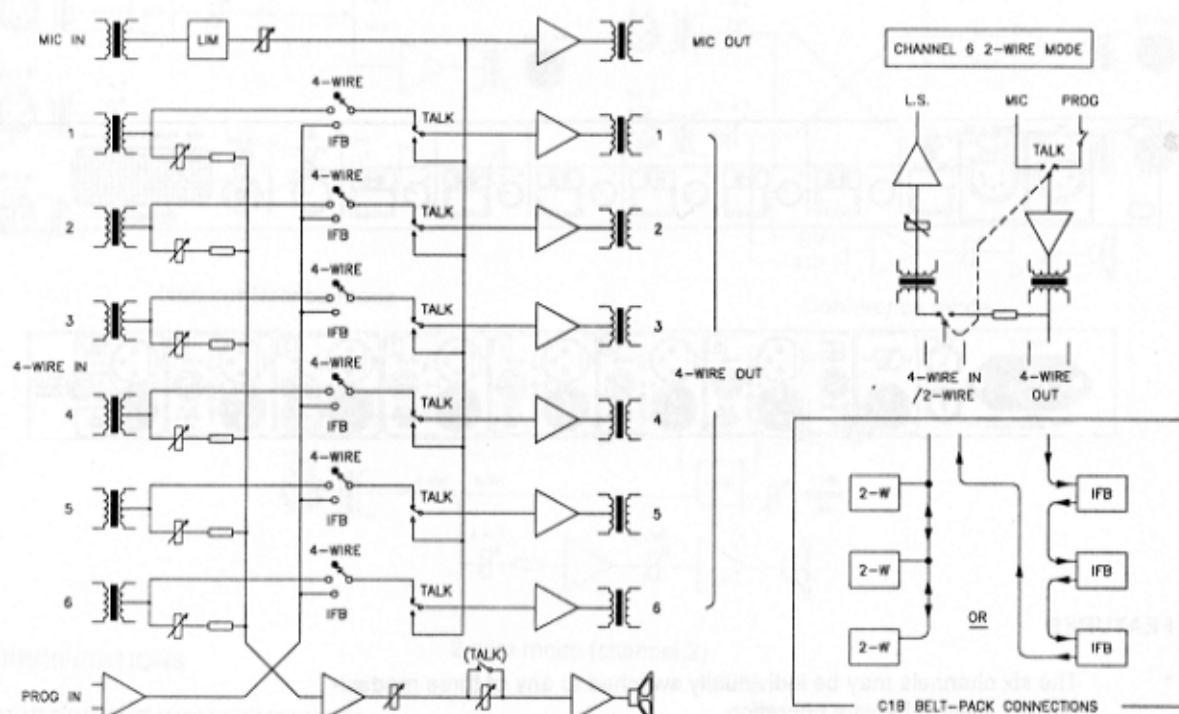
DESCRIPTION

Each of the six channels has the TALK switch and the input level control on the front-panel. CALL and TALK LED's are located in the TALK switch actuator and indicate, respectively, the presence of an input signal on that channel and the status of the TALK switch. The TALK switches have a momentary action, but latch when pressed briefly. A rear-panel switch on each channel enables selection of either the PROG IN signal or the input signal to the channel, or neither, to be routed to the channel output. The selected signal is interrupted by the MIC signal when the TALK switch is operated. The ALL TALK switch operates on all channels without latching and any TALK switch activates the LS DIM control. The MIC LEVEL control sets the MIC output level on all channels.

LS LEVEL and LS DIM controls enable adjustment of the loudspeaker level for normal listening and when talking. By pressing the LS CUT switch when a headset or headphones are connected, the phones level will be adjusted by the LS LEVEL control alone. Connections are provided by the 6.35mm HEADPHONES jack and XLR5 HEADSET socket. Both LS CUT and LS DIM can be operated remotely by the connection of closing contacts to the rear-panel REMOTE connector, which also outputs LS CUT and DIM signals to control other equipment. The edge-mounted loudspeaker ensures good sound quality, despite the restricted height of the 1U enclosure.

A rear-panel switch is also provided to allow the latch function of the TALK switches to be disabled. Channel 6 can optionally be switched to 2-WIRE mode, enabling it to be linked via its input connector to several parallel-connected C1B belt-packs in 2-wire mode, which then operate in conference with the C6R. Interrupted PROG can also be fed to the belt-packs, when switched to IFB mode, by using the alternative connection shown below.

BLOCK DIAGRAM



SPECIFICATIONS

MICROPHONE INPUT INPUT IMPEDANCE

Transformer coupled for 200 ohm dynamic mic. on XLR3F

LINE INPUTS

INPUT IMPEDANCE
INPUT SENSITIVITY
CALL LED THRESHOLD
IFB GAIN

10k ohm, transformer coupled, on XLR3F
-20dBu for maximum undistorted L.S. output
-15dBu, 300Hz < f < 3kHz
0dB

LINE OUTPUTS

OUTPUT IMPEDANCE
MAXIMUM OUTPUT LEVEL

50 ohm, transformer coupled, on XLR3M
+20dBu

2-WIRE OPERATION (CHANNEL 6)

MODE
I/O IMPEDANCE

Full-duplex with headphones, half-duplex with L.S.
10k ohm (listen), 600 ohm (talk) on XLR3F channel input

L.S. AMPLIFIER

Maximum output level 2.5W

PHONES OUTPUT

5V rms (max) 100 ohm impedance, on 6.35mm jack & XLR5F

POWER

115/230V AC selectable on IEC connector

PHYSICAL
DIMENSIONS
WEIGHT
FINISH

W 482mm D 305mm H 44mm (1U)
4kg
Dark grey front panel